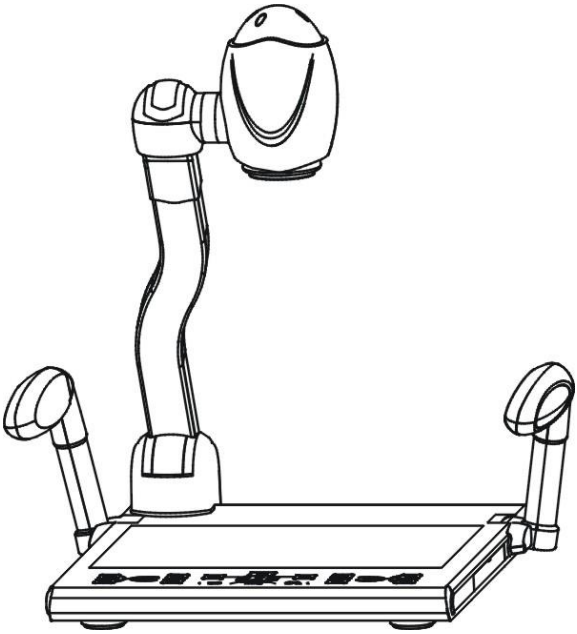
NewVission
DIGITAL VISUALIZER

User Manual
NV-1920



Pls read carefully before installation and keep reservation.

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☆Safety Notice:

⚠Warning: Pls don't let it in rain or put it into wet environment in order to prevent from fire breaking or leak of electricity. The visual presenter includes high voltage accessories and dangerous, so installing will fully and repairing spareparts are prohibited, just the professional can do these.

1. Before using, pls see power voltage and frequency same or not. To keep safe, users must be consciously that power socket should be three poles:L-line,N-line,G-line, and connect them in right way.
2. User must get G-line of all equipment's input and output ports through before turning power on, in order to avoid the unexpected damage caused by mute /high-voltage. Don't insert or pull out cables with electricity.
3. Pls don't rebuild visual presenter or use it without outer shell.
4. Pls don't drop something easy-fire, liquid or metal into, otherwise, will easily break the visual presenter or make troubles for visual presenter. Pls don't put something easy-fire or liquid on the table.
5. Don't take it in the environment of high tempreture, wetness, corrodible gas like acid oralkali, more-dust, and shakiness. Put it on special-steady desk , and don't put the visual presenter on unsteady tabletop or don't put 1KG things on the baselight table.
6. Pls clean it by dry cloth, and cut down electricity before cleaning, users also can not use liquid dilution, volatilised gasoline,insecticide or other chemistry solvent.
7. Pls pull power-plug out if long time no use.
8. Don't let children play visual presenter to prevent from electric-shock..
9. Pls turn off power immediately if there are some abnormal appearance (noise or smoking) and pull power-plug out.

☆Feature Instruction:

Welcome to use visual presenter. Pls read "Manual Operation Booklet" attentively before usage. We sincerely hope this booklet will bring convenience and skilled method to you.

☑ Japan and Korea Fashionable Outer Design with smooth line, combines fashion and creation;

☑ Special sensitive touch-key design prevents dust and water from, may use for long.

☑ Special drawer function, human-being design, may store remote controller, pick-up pens, pick-up stick and others into;

☑ All joints featured with no press damping design, easily operated;

☑ Intelligent preview/shooting, featured with human controlling: users can preview and edit before shooting to projector(s);

☑ No need turn visual presenter on to get through: when PC signal comes to visual presenter, continually connect with monitor. and no need turn visual presenter on;

☑ VGA belt width 440MHz with long cable, image brightness and comparison can be improved up to 1/3,makes image more beautiful and clear;

☑ Put digital volume adjustment inner, make volume adjustment more easier (correct), can output original voice;

☑Specially provide with ESD protection, won't break inner spare parts when pull out/plug into with electricity;

☑ Total zoom≥80, make the smallest letters and number bigger and clear to show;

☑ High digital: Adopt high digital technique to manufature,1/3" 50,000,00 Full HD resolution, CMOS Scaning ,output resolution 1920X1080 high clarity digital signal, make image clear and with best color deoxidized, when capture smaller characters, there are no white edge, shaking, shinning and other problems, can connect

with projector directly, rear projector TV, or monitor's RGB port, specially suitable for school's demonstration or B/W characters teaching;

☑ It includes multi-functioned intelligent central controller system, one button controls on/off, projector can be delayed to turn off, projector and screen can be controlled combatively, infrared decoding and others

☑ Easy to install and maintain: adopt serial port to control projector, avoid of hard infrared decoding or easily interfering and other problems. There are hundreds of projector's code totally 10 kinds of famous brand, easily to set, and can update for free.

☑ Infrared decode secretly, without any decoding device, simply in use, store image more reliable;

☑Powerful image proceeded, freeze, color/B/W, positive/negative, mirror, brightness adjusted, rotate,image/text, comparison, image storage;

☑ Multi-input, multi-output, combine intelligently, switch multi-media to demonstrate;

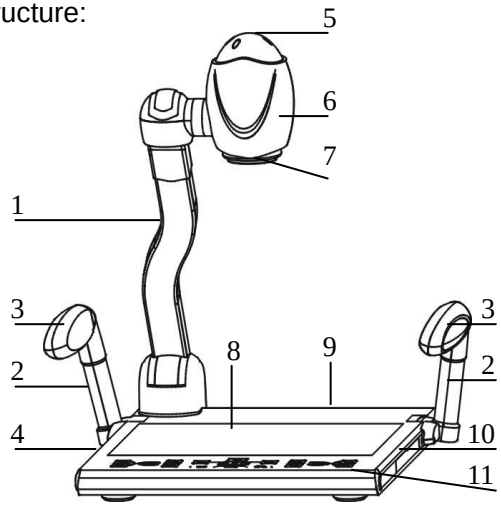
☑CCD/CMOS camera can turn 350°vertically or horizontally;

☑Methods of control: control panel, remote controller, RS-232, USB

☑ Microphone socket which can adjust volume can connect with cable or eternal microphone.

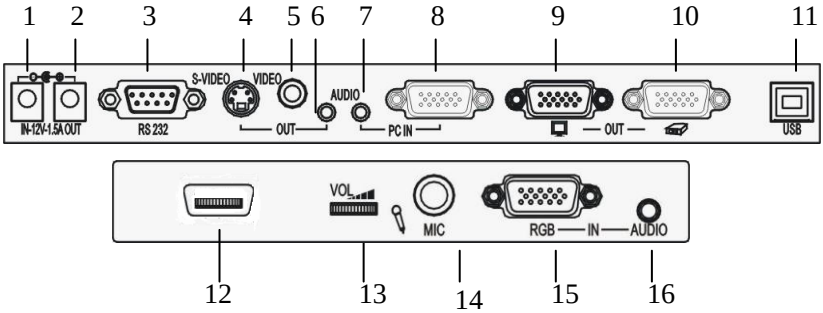
☆ Instruction & components:

●whole structure:



1. Main pole; 2.Assistant lamp Arms; 3.assistant lamps; 4.drawer (once Push to rebound, twice push to recover. Attention: don't pull it out of the position with heavy strength); 5.Infrared Receiver Window; 6.CCD/CMOS outsell; 7. Camera Cover; 8.Baselight; 9.Back Connections; 10.Side connections; 11.Control Panel.

●back/side connections:



1.DC12V power input; 2.DC12V power output; 3.RS-232 controlling port,RS-232 multi-functioned cable connect to PC’s COM port (If select central controller’s spare parts, this port is used for RS-232 F/M cable); 4.S-VIDEO output port（selected）; 5.Video Output port（selected）; 6.Stereo Output; 7.PC stereo Input Port; 8.PC RGB input port; 9.Output Port to Monitor; 10.Output port to Projector(or rear projector TV); 11.USB Port; 12. HDMI OutPut Port 13.Microphone Volume Adjustment; 14.Microphone Plug; 15. RGB Input Port; 16.Audio Stereo Input.

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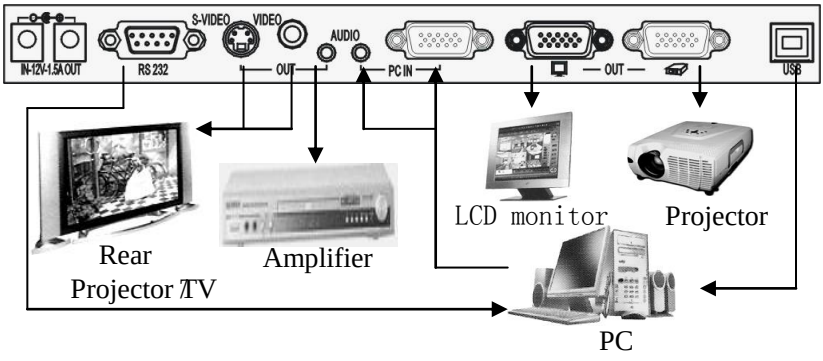
☆Connection Surroundings:

● Whole Connections

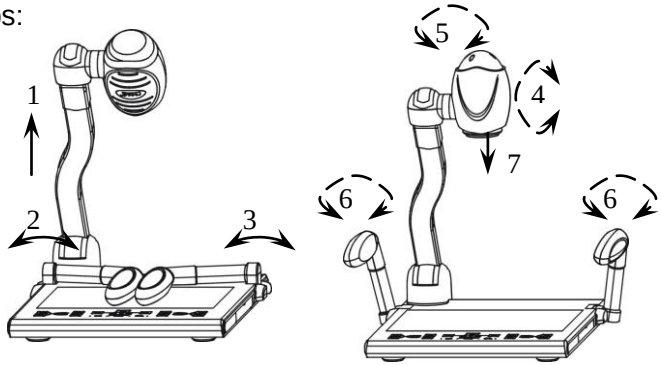
:



Note: pls cut down Surrounding equipment's power before start operation.

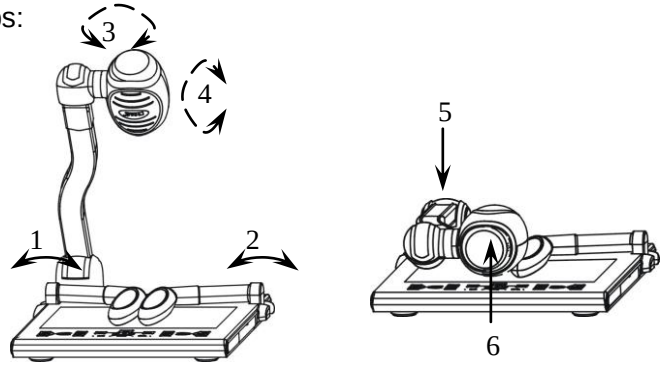
☆ Basic Operation:

●Unfold Steps:



1.Lift the pole;2.Lift assistant lamp to the left;3.Lift assistant lamp to the right;4.adjust CCD/CMOS ’s angle vertically;5.adjust CCD/CMOS ’s angle horizonally;6.adjust assistant lamps’ angle properly;7.take CCD/CMOS ’s cover off (Note: Pls rotate it to the right, don’t pull with heavy strength).

●Fold Steps:

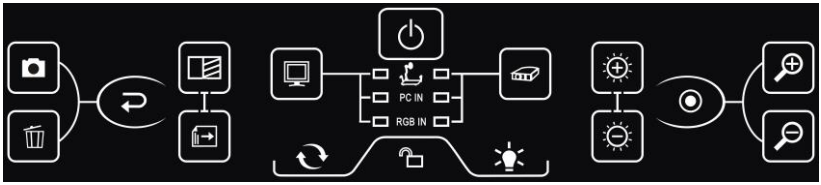


1.Press left assistant lamp arm down;2.press the right lamp arm down;3.adjust CCD/CMOS outer shell horizontally to parallel with the pole;4.adjust CCD/CMOS outer shell vertically to parallel with the pole;5.put the pole down;6.put CCD/CMOS cover on(Note: don’t rotate, cover it directly).

☆ Methods of usage:

There are three methods of operation: 1. control panel 2.remote controller 3. Control it through RS-232 Port supported by Computer's Window System. Three methods can be executed individually, and can be fixed up.

1. Control Panel:（Note: pls check exact goods for the standard.）



●***System acquiesces the following:***

It is into awaiting state when visualizer's power on ,and " " light will be on, meanwhile it acquiesces PC output to monitor and projector, thus PC's monitor and projector's light will be on. Light of "volume+" and "volume-"will be on, at this time user can adjust volume. This visualizer adopts sensitive touch key, just touch it with finger to use, and don't strike with heavy metal or heavy strength to prevent from the nick.

●Turn on:

After connections, press , and it turns from red shinning to red, means the visual presenter's power is on. When heard of "Bee "twice, users can start operation. Please try again to open projector when user found that projector's power was off.

●Turn off:

When turn off, press 2 seconds, after heard of a voice of “Bee”, this indicator will become from red shinning to red, means get into state of waiting, and visual presenter has been turned off. If visual presenter has central controller function, when turn visual presenter off, press this button 2 seconds, after a voice of “Bee”, power indicator shines firstly, meanwhile visual presenter cannot be controlled by any button. When power indicator gets into shining slowly, press again to turn off projector. After 2 minutes of “Bee”, it is into state of waiting, at same time projector’s power has been cut down (delayed to turn off). When it is into state of turning off, visual presenter will switch “PC IN”（PC’s signal）into monitor automatically.（It is get through without signal of turning on）.

●Lamp Selection:

Press button, users can turn on/off assistant lamps or base light.

●Preview/shooting:

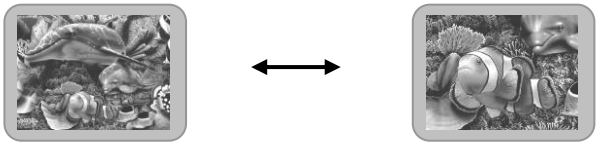
Signal output to monitor（preview）: Press this button repeatedly to select visual presenter’s signal, PC signal, and RGB signal’s input. When select visual presenter’s signal, the indicator will become red（other two indicators will be off）,when select PC signal input, the indicator will be on red(other two indicators will be

off）,when select RGB signal input, the indicator will be red（other two previewing indicators will be off）.

Signal output to projector (shooting): Press this button repeatedly to select visual presenter's signal, PC signal, and RGB signal's output. When it is into asynchronous state, please select visual presenter firstly, when PC and RGB signal output to monitor, press this button again, image will output to projector, meanwhile audio will output as followed, the indicator will become from shinning red to red.

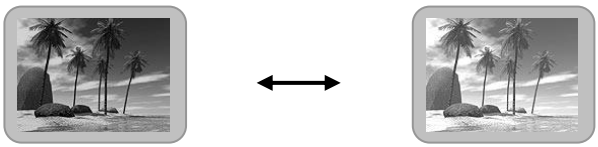
●Focus adjustment:

Adjusting focus button can change the range of CCD/CMOS camera, touching or pressing on or button, can magnify image or deflate image gradually or continually.



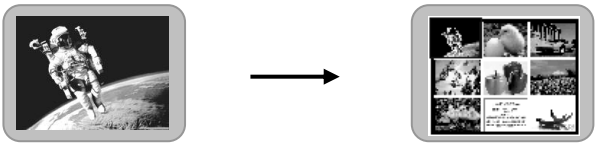
●Brightness adjustment:

Adjusting brightness can change the output brightness from CCD/CMOS camera, touching or pressing on or button can change the brightness, letting it go by hand will stop adjusting of brightness.



●Storage:

Pressing button can store present image.（Note: when it fulfills with images, indicator will be off, if users want to store more, please delete previous storage for 1 set and can store 1 set again）



●Rotation：

Pressing button can rotate the image 180°.

●Select image:

When it is in the state of split screen, pressing button can recycle or delete images. Press one second for next image

●Recycle:

Pressing button can recycle selected images.

●Delete image:

When it is in the state of split screen, pressing button can delete selected images. Press one second for deleting stored images.

●Division:

Pressing button can display the right part of the saved image on the split screen; pressing button can change to another right part of the saved image.

●Auto Focus:

Pressing button, the focus will adjusts itself Automatically.

●Lock and unlock:

Pressing button“1”second can unlock.

Visual presenter acquiesces that it will unlock after 20 seconds automatically without any touching, at this time users can only operate indicated buttons, others should be unlocked before operation.

Note: visual presenter adopts indicator to guide operation and this human-nature design make operation more vividly.

2. Remote Controller:

Image	Function	Description
	POWER	Turn on/ Turn off, or decode projector's on
	LAMP	On / Off of light and base light, or decode projector's off
	MONITOR	Output Signal to Monitor
	PROJECTOR	Output Signal to projector or TV
	ZOOM	Enlarge image
	ZOOM	Contract image
	VOLUME	Increase volume
	VOLUME	Reduce volume
	DIVISION	Freeze the left part of image, move and compare with right part of image
	B.W.	W/B & Color of image
	ROTATE	Rotate image for angle of 90 or 180
	NEGATIVE	Show image in positive / negative form
	FREEZE	Freeze the shooting image
	TEXT	Display picture in text/image form
	CAPTURE	Store the current image
	PREVIEW	Display images in split form
	NEXT	Choose next picture to recycle or delete
	PLAYBACK	Display stored image fulfilled screen
	DELETE	Delete choose picture in spited state
	SIGNAL	Choose signal 1 or 2(selected)

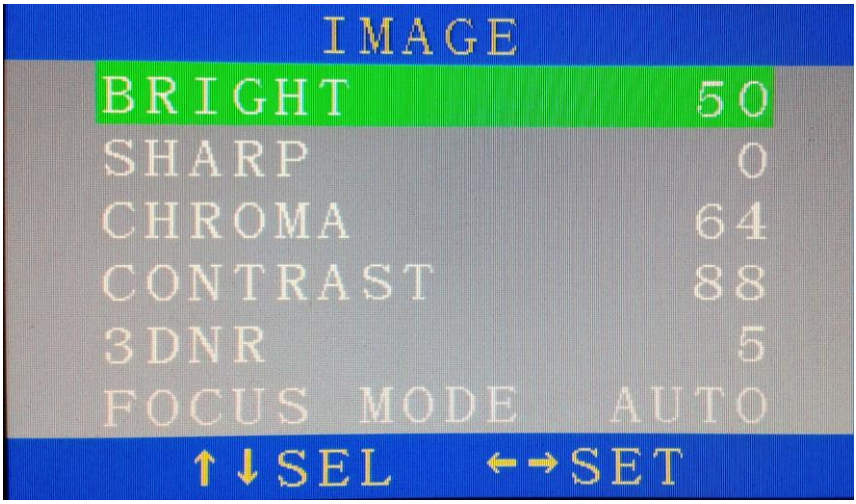
Remote Controller:

1. **OSD Controller:**

OSD menu operation: PICTURE, RGB, RESOLUTION and SYSTEM. Operate as shown below:

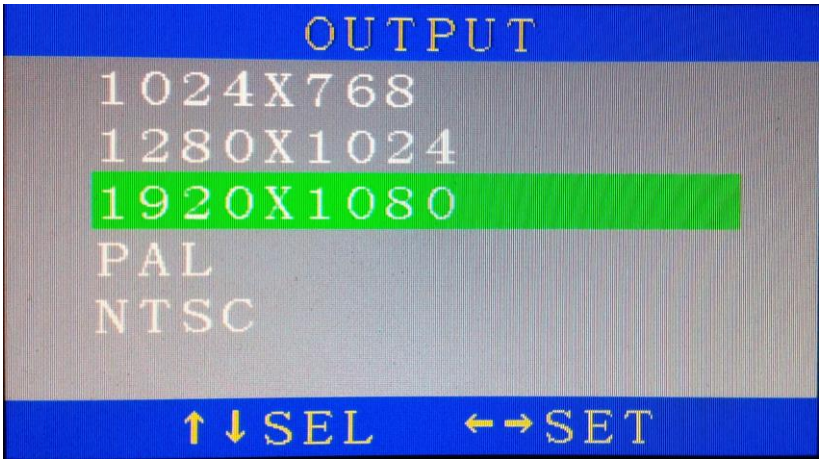
In the normal state, press *FOCUS* for 3 seconds to enter into the main menu, and then press *WIDE* or *TELE* button to enter into PICTURE, RGB, RESOLUTION or SYSTEM setup. After entering into the menu, press *WIDE* or *TELE* to select the option to be set

up, and then press *far* or *Near* to set up the detailed specification under each option.



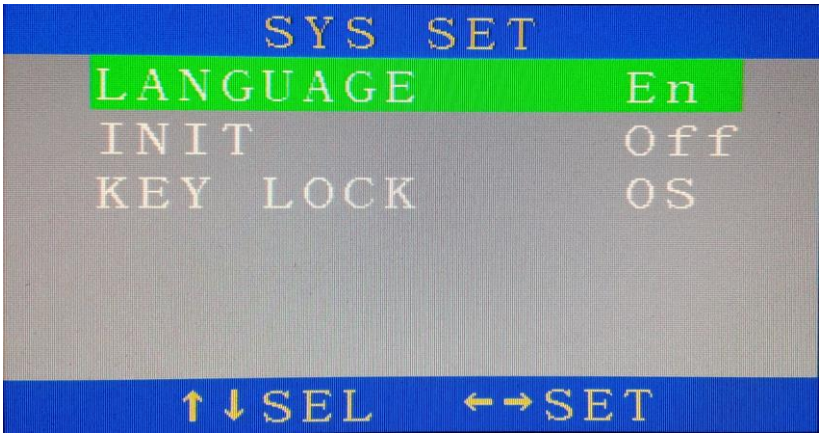
Pressing “Tele” “Wide” to come to the image setting selection ,pressing “Focus” to come to operation ,pressing “Tele” “Wide” to select operation items needed ,pressing “Far” “Near” to setup the selected items

.After entering the image setting, which could setup the brightness, contrast, sharp and Chroma



After entering to the Output setting .Pal, NTSC and default setting could be choose offered by TV mode. And you can set up the resolution as your supportable device.

After entering to the Sys Set setting which could select the



language & you can set the touch panel locking time

☆ infrared decoding and usage:

●Infrared decoding:

1. Press button five times when visual presenter is in the state of waiting, then press buttons four times, and press button into state of infrared decoding. At this time, users will hear a voice of “Bee”, all indicators will be on.

2. Put DVD’s remote controller opposite to visual presenter’s infrared receiver window, press the button, after a voice of “Bee”, shortly, at same time indicators will be off, wait for infrared code.

3. Put DVD’s remote controller opposite to visual presenter’s infrared receiver window, press the button, after a short voice of “Bee”, indicators will be on, means this button has been infrared decoded. If decode other buttons, please repeat step 3, until it is finished.

4. After decoding, turn off visual presenter, infrared decoding has been finished successfully.

5. Projectors decode: method is same as step 3, visual presenter can provide with 3 buttons to decode projector, can decode projector **ON**, projector **OFF**, **RGB’s** switch.

6. If there is mistake, please repeat step 3 and step 4, visual presenter will cover previous operation.

For example:

The steps of decoding DVD’s “MENU” are as follows:

1. Press button five times when visual presenter is in

the state of waiting, continually press buttons four times, and press button into state of infrared decoding. At this time, users will hear a voice of “Bee”, all indicators will be on to start operation;

2. Put visual presenter’s remote controller opposite to receiver window, press button on remote controller, hears of a voice of “Bee” shortly, and indicators will be off;

3. Put DVD’s remote controller opposite to visual presenter’s infrared receiver window, press “**MENU**” button, will hear of a voice of “Bee” shortly, indicators will be on

4. After decoding, turn off power, infrared decoding has been finished successfully.

Another example:

The steps of decoding projector’s “Remote Controller” are as follows:

1. Press button five times when visual presenter is in the state of waiting, then press buttons four times, and press button into state of infrared decoding. At this time, users will hear a voice of “Bee”, all indicators will be on to start operation;

2. Put visual presenter’s remote controller opposite to remote receiver window, press button on remote controller, will hear of a voice of “Bee” shortly, and indicators will be off;

3. Put projector’s remote controller opposite to visual presenter’s infrared receiver window, press **“Power**” button, and

will hear of a short voice “Bee” (if some projectors need 2 seconds to turn on, users need press remote controller more than 2 seconds to decode.),and indicator will be on;

4. Decode projector’s off: Put projector’s remote controller opposite to visual presenter’s infrared receiver window, press Button, and will hear of a short voice “Bee”, indicator will be off. Put projector’s remote controller opposite to infrared receiver window, press “Off”, and will hear of a short “Bee”, indicator will be on;

☆ Daily Maintenance and attention:

1．Pls don’t turn on/off power frequently, in order not to shorten using time of CCD/CMOS Camera.

2．Lamps should not get on/off frequently and suddenly, in order to lengthen their lifetime.

3．Don ‘t make CCD/CMOS opposite to strong light, such as sunlight or sun.

4．Pls turn off power when users intend to move it, and pull plug out , let the pole down to move, and don’t lift the pole or assistant lamp arms to move.

5．Pls don’t rotate assistant lamps horizontally.

6．Press left/right lamps down without heavy strength.

7．Attention to get out of wetness when it is in wet condition, if user has found that cannot focus clearly, don’t touch CCD/CMOS by hand, use special paper to clean. If necessary, pls turn down CCD/CMOS short-sighted lens to make clearance.

8．Pls pull out power plug when long time unused, and cover with cloth or plastic things.

9. The valid time is 8 years, if for lasting time, pls send visual presenter to after-sale service or repaired center for checking.

☆ Problems and Solutions:

Problems	Analysis and solution
No image no sound	Check power cable, connect again
	Press power in to electricity
	Audio cable or RGB cable connected in wrong way, pls connect again.
	Input/output connect correctly or not?
	CCD/CMOS cover has not been taken off
Image is not clear	Distance between things and CCD/CMOS is too close, so cannot focus normally, to adjust and make it more than 330mm.
	Surface of things are too brilliance or reflects, adjust light darker
	CCD/CMOS is dirty? Pls clean CCD/CMOS or short-sighted lens underside
Noise-wave is exist	There is noise-wave when enlarge image in extremely dark environment. Pls turn on assisted lamps
Image is too dark	Pls turn on assisted lamps
	Pls adjust brightness, increase brightness
Buttons on panel are invalid	Press two buttons synchronically or press too slowly, visualizer will be no reply. One time one button, make interval time longer when press two buttons
Remote controller no response	Confirm there is no other things between visualizer and remote controller to effect
	Confirm distance between visual presenter and remote controller is within 30M
	Pls check battery fine and in correct connection or used out yet?
Microphone no sound	Check audio cable is good and correct or not
	Check microphone work well or not
	Check volume of microphone is lowest or not

☆ Attached list:

	Name	Unit	Quantity
●	User Manual	pc	1
●	software（disc）	pc	1
●	Remote controller	pc	1
●	Power Adapter	pc	1
●	VGA cable	pc	1
●	RS-232 cable	pc	1
●	USB cable	pc	1

Technical Specification:

Specification	NV-1920
Technology	CMOS
Lens	F1.6~3.7, f3.9~85.8 mm
Shooting Area	210X297 mm (Landscape)
Zoom(Optical-Digital)	12X Optical + 8X Digital Zoom
Focus	Auto and Manual
Image Sensor	1/3" Image Sensor
Total Effective Pixels	50,00,000
Resolution	Full HD (1920*1080)
Image Rotaion	180 Degree
Frame Rate	30 fps
Aspect Ratio	16:9
Images Memory	9 Images
Demonstration	
Aperture	Auto
White Balance	Auto/ Manual
Split Screen	Split Two Half Right/ Left
Image Effect	Color/BW, negative, mirror, text/ graphic, Brightness control, Freeze, electric Volume Control
Remote Effect	Infrared Remote Control
Camera Rotation	350 Degree horizontally and Vertically
Lighting System	
Top Lamp	LED lamps*2
Base Lamp	LED lamps
Input/ Output	
AV Input	Microphone Input*1 Audio frequency (stereo)*2
AV Output	Video*1 S-Video * 1 Audio frequency (stereo)*1

VGA Input	RGB*2 (3 routes matrix switch)
VGA Output	RGB*2 (Matrix output) HDMI*1
RS-232 Port	Provided
USB Port	Provided
Power	
Power Supply	DC 12V 1.5A
Power Source	100-240Volts 50-60HZ
Energy Consumption	<= 15W
Dimension/Weight	470*435*520mm
Setup	490*493*140mm
Fold	5 KGS

* Design and specifications are subject to change without prior notice.

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Made In China